

Colorado River Basin Regional Water Quality Control Board

Appendix A: WWTF Effluent Total Nitrogen Violations for 2009-2018

Year (Total Violations)	Month	WWTF Effluent Total Nitrogen			
		Monthly Avg. Limit=10 mg/L	Weekly Avg. Limit=15 mg/L	Daily Max. Limit=20 mg/L	Date Violation Occurred
2009 (27)	APRIL	77.5	77.5	77.5	04/01/2009
	MAY	53	53	53	05/06/2009
	JUNE	69	69	69	06/10/2009
	JULY	66	66	66	07/01/2009
	AUGUST	69	69	69	08/12/2009
	SEPTEMBER	56	56	56	09/10/2009
	OCTOBER	59	59	59	10/14/2009
	NOVEMBER	58	58	58	11/11/2009
	DECEMBER	90	90	90	12/09/2009
2010 (27)	JANUARY	72	72	72	01/13/2010
	MARCH	110	110	110	03/17/2010
	APRIL	100	100	100	04/16/2010
	JUNE	86	86	86	06/10/2010
	JULY	64	64	64	07/14/2010
	AUGUST	56	56	56	08/11/2010
	OCTOBER	47	47	47	10/31/2010
	NOVEMBER	80	80	80	11/29/2010
	DECEMBER	188	188	188	12/23/2010
2011 (12)	JANUARY	94	94	94	01/20/2011
	OCTOBER	48	48	48	10/28/2011
	NOVEMBER	89	89	89	11/30/2011
	DECEMBER	86	86	86	12/22/2011
2012 (9)	OCTOBER	63	63	63	10/30/2012
	NOVEMBER	49	49	49	11/27/2012
	DECEMBER	87	87	87	12/30/2012
2013 (11)	JANUARY	91	91	91	01/29/2013
	FEBRUARY	77	77	77	02/25/2013
	MARCH	120	120	120	03/28/2013
	APRIL	69	69	69	04/28/2013
	MAY	72	72	72	05/29/2013
	JUNE	73	73	73	06/30/2013
	AUGUST	49	49	49	08/31/2013
	SEPTEMBER	27	27	27	09/30/2013
	OCTOBER	30	30	30	10/27/2013

Colorado River Basin Regional Water Quality Control Board

	NOVEMBER	34	34	34	11/24/2013
	DECEMBER	27	27	27	12/22/2013
2014 (36)	JANUARY	61	61	61	01/26/2014
	FEBRUARY	81	81	81	02/26/2014
	MARCH	49	49	49	03/30/2014
	APRIL	58	58	58	04/30/2014
	MAY	52	52	52	05/28/2014
	JUNE	92	92	92	06/29/2014
	JULY	27	27	27	07/31/2014
	AUGUST	21	21	21	08/29/2014
	SEPTEMBER	51	51	51	09/30/2014
	OCTOBER	24	24	24	10/29/2014
	NOVEMBER	24	24	24	11/25/2014
	DECEMBER	91	91	91	12/29/2014
2015 (33)	JANUARY	88	88	88	01/25/2015
	FEBRUARY	59	59	59	02/26/2015
	MARCH	68	68	68	03/29/2015
	APRIL	54	54	54	04/27/2015
	MAY	54	54	54	05/31/2015
	JUNE	38	38	38	06/29/2015
	JULY	49	49	49	07/29/2015
	SEPTEMBER	54	54	54	09/30/2015
	OCTOBER	52	52	52	10/29/2015
	NOVEMBER	87	87	87	11/30/2015
	DECEMBER	86	86	86	12/20/2015
2016 (30)	JANUARY	92	92	92	01/28/2016
	FEBRUARY	81	81	81	02/28/2016
	MARCH	110	110	110	03/13/2016
	APRIL	87	87	87	04/30/2016
	MAY	110	110	110	05/31/2016
	JULY	59	59	59	07/28/2016
	AUGUST	60	60	60	08/31/2016
	SEPTEMBER	74	74	74	09/11/2016
	OCTOBER	68	68	68	10/31/2016
	DECEMBER	160	160	160	12/29/2016
2017 (30)	JANUARY	130	130	130	01/31/2017
	FEBRUARY	97	97	97	02/27/2017
	MARCH	97	97	97	03/31/2017
	APRIL	110	110	110	04/30/2017
	MAY	120	120	120	05/31/2017
	JUNE	120	120	120	06/30/2017
	JULY	120	120	120	07/05/2017
	AUGUST	138	138	138	08/29/2017

Colorado River Basin Regional Water Quality Control Board

	SEPTEMBER	41	41	41	09/30/2017
	OCTOBER	88	88	88	10/29/2017
2018 (21)	JANUARY	110	110	110	01/12/2018
	MARCH	100	100	100	03/02/2018
	APRIL	140	140	140	04/06/2018
	MAY	76	76	76	05/11/2018
	JUNE	101	101	101	06/08/2018
	JULY	92	92	92	07/06/2018
	AUGUST	64	64	64	08/03/2018

Appendix B: Total Suspended Solids Violation for 2009-2018

Year (Total Violations)	Month	WWTF Effluent TSS			
		Monthly Avg. Limit=30 Mg/L	Weekly Avg. Limit=45 Mg/L	Daily Max. Limit=65 Mg/L	Date Violation Occurred
2009 (26)	APRIL	80	80	80	04/01/2009
	MAY	76	76	76	05/06/2009
	JUNE	75	75	75	06/10/2009
	JULY	62	62	62	07/01/2009
	AUGUST	46	46	--	08/12/2009
	OCTOBER	150	150	150	10/14/2009
	NOVEMBER	84	84	84	11/11/2009
	DECEMBER	92	92	92	12/09/2009
2010 (16)	JANUARY	94	94	94	01/13/2010
	MARCH	140	140	140	03/17/2010
	APRIL	76	76	76	04/16/2010
	JUNE	250	250	250	06/10/2010
	AUGUST	42	--	--	08/11/2010
	NOVEMBER	74	74	74	11/29/2010
	DECEMBER	80	80	80	12/22/2011
2011 (11)	JANUARY	120	120	120	01/20/2011
	OCTOBER	48	48	--	10/28/2011
	NOVEMBER	94	94	94	11/30/2011
	DECEMBER	80	80	80	12/22/2011
2012 (8)	OCTOBER	62	62	62	10/30/2012
	NOVEMBER	68	68	68	11/27/2012
	DECEMBER	56	56	--	12/30/2012
	MARCH	41	--	--	03/28/2013

Colorado River Basin Regional Water Quality Control Board

2013 (8)	APRIL	70	70	70	04/28/2013
	MAY	130	130	130	05/29/2013
	JUNE	40	--	--	06/30/2013
2014 (3)	FEBRUARY	44	--	--	02/26/2014
	DECEMBER	48	48	--	12/29/2014
2015 (8)	JANUARY	60	60	--	01/25/2015
	FEBRUARY	36	--	--	02/26/2015
	APRIL	46	46	--	04/27/2015
	NOVEMBER	40	--	--	11/30/2015
	DECEMBER	46	46	--	12/20/2015
2016 (22)	JANUARY	48	48	--	01/28/2016
	FEBRUARY	82	82	82	02/28/2016
	MARCH	86	86	86	03/13/2016
	APRIL	41	--	--	04/30/2016
	MAY	52	52	--	05/31/2016
	JULY	66	66	66	07/28/2016
	AUGUST	39	--	--	08/31/2016
	SEPTEMBER	65	65	65	09/11/2016
	OCTOBER	42	--	--	10/31/2016
	DECEMBER	76	76	76	12/29/2016
2017 (16)	JANUARY	130	130	130	01/31/2017
	FEBRUARY	100	100	100	02/27/2017
	MARCH	33	--	--	03/31/2017
	APRIL	49	49	--	04/30/2017
	MAY	31	--	--	05/31/2017
	JULY	220	220	220	07/05/2017
	OCTOBER	62	62	62	10/29/2017
2018 (15)	JANUARY	66.5	66.5	66.5	01/12/2018
	MARCH	32.3	--	--	03/02/2018
	APRIL	102	102	102	04/06/2018
	MAY	121	121	121	05/11/2018
	JUNE	141	141	141	06/08/2018
	JULY	30.7	--	--	07/06/2018
	AUGUST	40.5	--	--	08/03/2018

1. Note that "--" represents a compliant value reported, not a missing data value.

Colorado River Basin Regional Water Quality Control Board

Appendix C: Total Biochemical Oxygen Demand Violations for 2009-2018

Year (Total Violations)	Month	WWTF Effluent BOD			
		Monthly Avg. Limit=30 mg/L	Weekly Avg. Limit=45 mg/L	Daily Max. Limit=65 mg/L	Date Violation Occurred
2009 (27)	APRIL	262.5	262.5	262.5	04/01/2009
	MAY	150	150	150	05/06/2009
	JUNE	120	120	120	06/10/2009
	JULY	150	150	150	07/01/2009
	AUGUST	150	150	150	08/12/2009
	SEPTEMBER	120	120	120	09/10/2009
	OCTOBER	330	330	330	10/14/2009
	NOVEMBER	280	280	280	11/11/2009
	DECEMBER	250	250	250	12/09/2009
2010 (21)	JANUARY	140	140	140	01/13/2010
	MARCH	360	360	360	03/17/2010
	APRIL	180	180	180	04/16/2010
	JUNE	260	260	260	06/10/2010
	JULY	180	180	180	07/14/2010
	AUGUST	71	71	71	08/11/2010
	NOVEMBER	210	210	210	11/29/2010
2011 (12)	JANUARY	250	250	250	01/20/2011
	OCTOBER	70	70	70	10/28/2011
	NOVEMBER	260	260	260	11/30/2011
	DECEMBER	290	290	290	12/22/2011
2012 (6)	OCTOBER	68	68	68	10/30/2012
	NOVEMBER	180	180	180	11/27/2012
2013 (14)	JANUARY	35	--	--	01/29/2013
	FEBRUARY	46	46	--	02/25/2013
	MARCH	36	--	--	03/28/2013
	APRIL	85	85	85	04/28/2013
	MAY	210	210	210	05/29/2013
	JUNE	70	70	70	06/30/2013
	JULY	37	--	--	07/31/2013
	AUGUST	41	--	--	08/31/2013
2014 (10)	FEBRUARY	62	62	62	02/26/2014
	MARCH	50	50	--	03/30/2014
	APRIL	38	--	--	04/30/2014
	SEPTEMBER	63	63	63	09/30/2014
	NOVEMBER	34	--	--	11/25/2014
	JANUARY	140	140	140	01/25/2015

Colorado River Basin Regional Water Quality Control Board

2015 (20)	FEBRUARY	63	63	63	02/26/2015
	MARCH	100	100	100	03/29/2015
	APRIL	84	84	84	04/27/2015
	SEPTEMBER	45	--	--	09/30/2015
	OCTOBER	36	--	--	10/29/2015
	NOVEMBER	89	89	89	11/30/2015
	DECEMBER	150	150	150	12/20/2015
2016 (27)	JANUARY	160	160	160	01/28/2016
	FEBRUARY	210	210	210	02/28/2016
	MARCH	370	370	370	03/13/2016
	APRIL	65	65	65	04/30/2016
	MAY	140	140	140	05/31/2016
	JULY	78	78	78	07/28/2016
	AUGUST	54	54	--	08/31/2016
	SEPTEMBER	200	200	200	09/11/2016
	OCTOBER	38	--	--	10/31/2016
	DECEMBER	250	250	250	12/29/2016
2017 (17)	JANUARY	200	200	200	01/31/2017
	FEBRUARY	280	280	280	02/27/2017
	MARCH	130	130	130	03/31/2017
	APRIL	90	90	90	04/30/2017
	AUGUST	50	50	--	08/29/2017
	OCTOBER	84	84	84	10/29/2017
2018 (21)	JANUARY	73	73	73	01/12/2018
	MARCH	215	215	215	03/02/2018
	APRIL	200	200	200	04/06/2018
	MAY	150	150	150	05/11/2018
	JUNE	464	464	464	06/08/2018
	JULY	69	69	69	07/06/2018
	AUGUST	63	63	63	08/03/2018

Appendix D: Effluent Flow Violation for 2009-2018

Year (Total Violations)	Month	WWTF Effluent Flow
		Monthly Avg. Limit=1750 GPD
2018 (3)	March	7282
	July	7105
	August	7808

Colorado River Basin Regional Water Quality Control Board

Appendix E: Missing Report Violation for 2009-2018

Year	Due item	Due date	Status
2009 (2)	June SMR	7/15/2009	Not submitted
	Dec SMR	1/15/2010	Not submitted
2010 (1)	Sep SMR	10/15/2010	Not submitted
2011 (2)	Feb SMR	3/15/2011	Not submitted
2013 (1)	January	2/15/2013	Not submitted
2016 (1)	June SMR	7/15/16	Not submitted

Appendix F: Incomplete Report Violation for 2009-2018

Year	Month	Missing Constituent
2009 (4)	January	Effluent Flow, pH
	February	Effluent Flow, pH
	March	Effluent Flow, pH
	April	Effluent pH, Water supply TDS and pH
2010 (3)	April	Water Supply TDS, pH
	October	Water Supply TDS, pH
	December	Water Supply TDS, pH
2011 (1)	December	Water Supply TDS, pH
2012 (3)	October	Water Supply TDS, pH
	November	Water Supply TDS, pH
	December	Water Supply TDS, pH
2013 (12)	January	Effluent pH, Water supply TDS, pH
	February	Effluent pH, TDS Water supply pH
	March	Effluent pH, Water supply pH
	April	Effluent pH, Water supply pH
	May	Effluent pH, Water supply pH
	June	Effluent pH, Water supply pH
	July	Effluent pH, Water supply pH
	August	Effluent pH, Water supply pH
	September	Effluent pH, Water supply pH
	October	Effluent pH, Water supply pH

Colorado River Basin Regional Water Quality Control Board

	November	Effluent pH, Water supply pH
	December	Effluent pH, VOC, Water supply pH, Water supply Mineral analysis
2014 (11)	January	Effluent pH, Water supply pH
	February	Effluent pH, Water supply pH
	March	Effluent pH, Water supply pH
	April	Effluent pH, Water supply pH
	May	Effluent pH, Water supply pH
	June	Effluent pH, Water supply pH
	July	Water supply pH
	August	Water supply pH
	September	Effluent pH, Water supply pH
	October	Effluent pH, Water supply pH
	November	Effluent pH, Water supply pH
	December	Effluent pH, BOD
2015 (12)	January	Effluent pH, Water supply pH
	February	Water supply pH
	March	Effluent pH, Water supply pH
	April	Water supply pH
	May	Effluent pH, Water supply pH
	June	Effluent pH, Water supply pH
	July	Effluent pH, Water supply pH
	August	Effluent pH, Water supply pH
	September	Effluent pH, Water supply pH
	October	Effluent pH, Water supply pH
	November	Effluent pH, Water supply pH
	December	Effluent pH, BOD
2016 (9)	January	Effluent pH, Water supply pH and TDS
	February	Effluent pH
	March	Effluent pH and Water supply pH
	April	Water supply pH
	May	Water supply pH
	July	Water supply pH
	August	Water supply pH
	September	Water supply pH
	October	Water supply pH
	November	Water supply pH
	January	Water supply pH
	February	Water supply pH

Colorado River Basin Regional Water Quality Control Board

2017 (6)	March	Water supply pH
	April	Water supply pH
	May	Water supply pH
	June	Water supply pH

Appendix G: Late Report Violation for 2009-2018

Year	Due item	Due date	Date Submitted	Days Late
2009 (9)	APRIL	05/15/2009	06/30/2009	46
	MAY	06/15/2009	07/01/2009	16
	JUNE	07/15/2009	07/22/2009	7
	JULY	08/15/2009	08/18/2009	3
	AUGUST	09/15/2009	11/25/2009	71
	SEPTEMBER	10/15/2009	11/24/2009	40
	MARCH	04/15/2010	04/19/2010	4
	JULY	08/15/2010	08/17/2010	2
	AUGUST	09/15/2010	09/29/2010	14
	OCTOBER	11/15/2010	05/23/2011	189
	NOVEMBER	12/15/2010	05/23/2011	159
	DECEMBER	01/15/2011	05/23/2011	128
2011 (4)	JANUARY	02/15/2011	05/23/2011	97
	OCTOBER	11/15/2011	01/17/2012	63
	NOVEMBER	12/15/2011	01/17/2012	33
	DECEMBER	01/15/2012	01/17/2012	2
2012 (3)	OCTOBER	11/15/2012	02/04/2013	81
	NOVEMBER	12/15/2012	02/04/2013	51
	DECEMBER	01/15/2013	02/04/2013	20
2013 (12)	JANUARY	02/15/2013	03/04/2016	1113
	FEBRUARY	03/15/2013	03/04/2016	1085
	MARCH	04/15/2013	03/04/2016	1054
	APRIL	05/15/2013	03/04/2016	1024
	MAY	06/15/2013	03/04/2016	993
	JUNE	07/15/2013	03/04/2016	963
	JULY	08/15/2013	03/04/2016	932

Colorado River Basin Regional Water Quality Control Board

	AUGUST	09/15/2013	03/04/2016	901
	SEPTEMBER	10/15/2013	03/04/2016	871
	OCTOBER	11/15/2013	03/04/2016	840
	NOVEMBER	12/15/2013	03/04/2016	810
	DECEMBER	01/15/2014	03/04/2016	779
2014 (12)	JANUARY	02/15/2014	03/04/2016	748
	FEBRUARY	03/15/2014	03/04/2016	720
	MARCH	04/15/2014	03/04/2016	689
	APRIL	05/15/2014	03/04/2016	659
	MAY	06/15/2014	03/04/2016	628
	JUNE	07/15/2014	03/04/2016	598
	JULY	08/15/2014	03/04/2016	567
	AUGUST	09/15/2014	03/04/2016	536
	SEPTEMBER	10/15/2014	03/04/2016	506
	OCTOBER	11/15/2014	03/04/2016	475
	NOVEMBER	12/15/2014	03/04/2016	445
	DECEMBER	01/15/2015	03/04/2016	414
2015 (12)	JANUARY	02/15/2015	03/04/2016	383
	FEBRUARY	03/15/2015	03/04/2016	355
	MARCH	04/15/2015	03/04/2016	324
	APRIL	05/15/2015	03/04/2016	294
	MAY	06/15/2015	03/04/2016	263
	JUNE	07/15/2015	03/04/2016	233
	JULY	08/15/2015	03/04/2016	202
	AUGUST	09/15/2015	03/04/2016	171
	SEPTEMBER	10/15/2015	03/04/2016	141
	OCTOBER	11/15/2015	03/04/2016	110
	NOVEMBER	12/15/2015	03/04/2016	80
	DECEMBER	01/15/2016	03/04/2016	49
2016 (9)	JANUARY	02/15/2016	03/04/2016	18
	FEBRUARY	03/15/2016	03/17/2016	2
	MARCH	04/15/2016	04/19/2016	4
	APRIL	05/15/2016	06/29/2016	45
	MAY	06/15/2016	07/14/2016	29
	AUGUST	09/15/2016	09/20/2016	5
	SEPTEMBER	10/15/2016	10/17/2016	2

Colorado River Basin Regional Water Quality Control Board

	OCTOBER	11/15/2016	11/29/2016	14
	DECEMBER	01/15/2017	01/31/2017	16
2017 (9)	JANUARY	02/15/2017	02/28/2017	13
	FEBRUARY	03/15/2017	04/03/2017	19
	MARCH	04/15/2017	04/30/2017	15
	APRIL	05/15/2017	05/31/2017	16
	MAY	06/15/2017	07/08/2017	23
	JUNE	07/15/2017	08/03/2017	19
	AUGUST	09/15/2017	09/30/2017	15
	SEPTEMBER	10/15/2017	10/31/2017	16
	OCTOBER	11/15/2017	11/30/2017	15

Appendix H: Alterations and Corrective Actions Taken by Discharger

April 2010

Discharger pumped out grease trap and ST-1 to address non-compliance.

March 2011

Installing filters in the kitchen sink to catch more grease, making changes to the existing grease interceptor to catch more grease.

Constructed a new 9000-gallon tank to allow grease, oils, TSS and TDS to be separated from the effluent prior to the main septic system.

April 2016

Contacted an outside firm to review the existing system and make recommendations to bring the system into compliance

July 2016

Inspection report for Mountain Station provided by consultant Quicy pointing out the reason of non-compliance, recommendation to make changes to the grease interceptor to reduce the FOG carryover.

August 2016

The media in the ax100s at the Mountain station were cleaned of grease that was bridging across them.

September 2017

Colorado River Basin Regional Water Quality Control Board

Upgrades to pre-treatment system; pumping out ST1; re piping of the st3 discharge, replacement of the pumps and all appurtenances in ST3; re-insulating the advantec pods in Long Valley; replacement of 2 recirculation pumps (spare pumps for all treatment tanks are in stock); deep cleaning of all the media in the adcantec pods and replacement of the Mountain Station WWTF Control Cabinet.

July 2018

Contracted with Consultant Geosyntec detailing future steps to implement a newly designed WWTF for Mountain Station.